Notebook, PN-03-02-10

The one dated entry in this pocket notebook is from February 1903. All entries are by Edison. The book contains notes and drawings pertaining to experiments to be performed, including work on batteries, electric meters, lighting, and x-ray apparatus. Among the employees mentioned in relation to individual experiments are Cloyd M. Chapman, Frederick P. Ott, John F. Ott, and Charles N. or Albert F. Wurth. The pages are unnumbered. Approximately 20 pages have been used.

PN-03-02-10

1 Johnson about working
week for miter hinges
Keeping track board

~~2 Norway Iron for molders~~

~~3rd Wash Cadmium~~
~~flash~~

~~4= About wicked system~~

1 = John get Norway Cors for meter -

2nd Boy for Fred off for Checks

3rd Board for holding checks

5 = Small-holder for checks - fitted to Matrosph for testing, Gas tubes

6" Call about making the 2" Extra arc furnaces melted gahn ode -

7 Give list of stuff to Chapman —

Note, Rydemium Tungstate as isomorphous with Scheelite, phly good for fluorescence Ing

Try Titanic acid with Lampsbrook press in bulbs then pack in charcoal & reduce in flame —

Also above with Ni Co & Fe to make alloy of Titanium

Try Chromic oxide & Nickel metal with charcoal & reduce in vac

found out of stock (and
order from Dithmar for
alloys came & which are
are they —

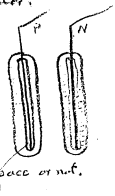
Put alloys & Chars also
old thermo alloys upon
Claim in Library

Feby 10 1903

Concentration storage battery
KOH, say 30% solution,
finely divided magnesia ignited
graphite both poles, charge one
pole Conc KOH other pole weak
KOH, by using very thick
pockets. Mg plate ought get
strong current —

I think that possibly a search
for $Ni(OH)_2$ — battery — by using
compound oxides, Co & Fe
MnFe WOFe WOMn
CrMn CrWO CrMo
NiWO NiFe NiMn NiWO
NiCr, FeCr CeWO CeCr
all hyperoxides group together
or oxalates

Concentration Cell might be made with Mn plates faced with a porous non Conductor.



possibly an 28 plate cell. 4 or 500 plates Coated on part in + Coated with porous material. + quite good Capacity

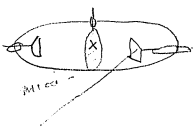
possibly 400 plates can be put in cell & all plates provided with separator & then porous material packed in with gas vents the porous material making one mass.
Cond ~~mass~~ skin lumen phly mass
Conductor, possibly phenol
Pari Chlro Mag - portland Cement
+ other setting porous material
#6 Zinc 26 -

2000 plates 10/000 thick,
10/000 porous stiff 10 of plates
280 lbs put in 5 Cells in series
1 Volt, 200 watts.
Each cell EMF .2 Volt.
Zn Cd + Mg from peroxides
try Cd + Mg hypochlorides 644
graphite anode H —

By fusion precious tungstates with WO_3 the compounds are formed —

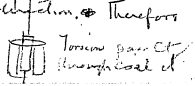
Red of Co by heating Cupric OH_2 in KOH,

If we are to consider a Solvent like water a Vacuum + X ray only given after Vacuum tubes contain a trace + Coarse beyond then a Cellulose Cell with pt Electrode + very fine cons should get X or some kind of ray from out plat Electrode —



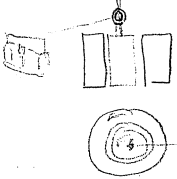
as X is used to throw a Shadow like Crooks Cross, will pt + use X rays + find that X ray is due to strike of cathode on inertia, water + dry Temp ray proceeds from it

Positive pole current seem to carry matter with it in same direction, Therefore

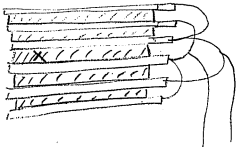


ought to twist a cylinder
inside Coil in same direction
as current. perhaps only
momentary may be common
trivial possibly very elaborate
arrangement when any Current
required

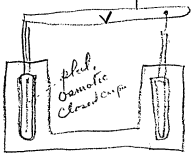
Mirror or Bifilar



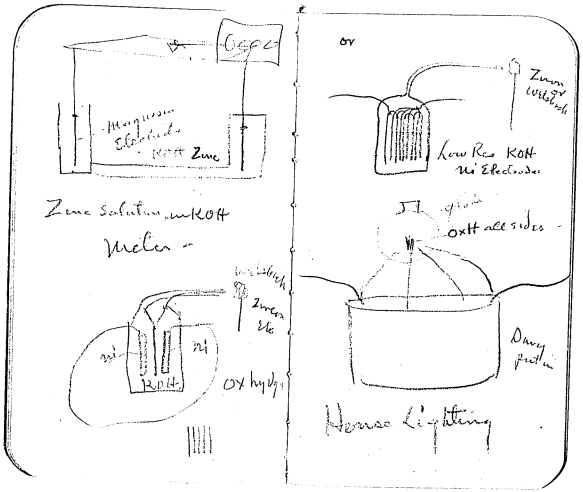
Condenser



X pressed Cub Strontia wet Kott
Metal sheet, Kept under
pressure with clamp or weight.



Meter


Magnesium Electrode
Zinc
Zinc Solution in KOH
Meter
Zinc Electrode
KOH
Oxygen bubbles
Low Res KOH Ni Electrode
Oxygen bubbles
Oxygen all sides
Dry pellet
House Lighting

Static → Porous stuff —

well static Cement

dry it —

Play with Chem Tel pk

Recording pens as C always

Changing values to always

Change possibly Radical

Cake & close wire opt or Stopper

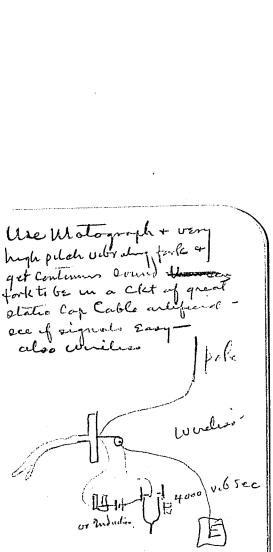
Rid of either of Solutions

in big bottle for Chem

Recording —

pen side more pressure than other

Use Microtograph + very high pitch vibrating fork & get continuous sound ~~[illegible]~~ fork to be in a Clot of great static Cop Cable influence — see if signals easy — also wireless



Try favorable metals in phono Record Monitor

~~[illegible]~~

Possibly - Cements put in phono record memo of might control by drying or Cure out. —

Phenol Perm,

Phos Zinc

Chl + Ox Mag

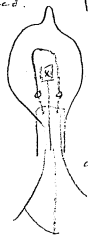
dilte Chl + Ox Zinc

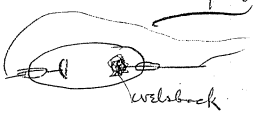
Gelatin with breaking Sugar,

Gum Dextrin

~~Ro~~ Very hard Coalton pitch

Possibly some of these Volatile Camphors might work as Recording Cylinder if pressed.





10 mm
2%